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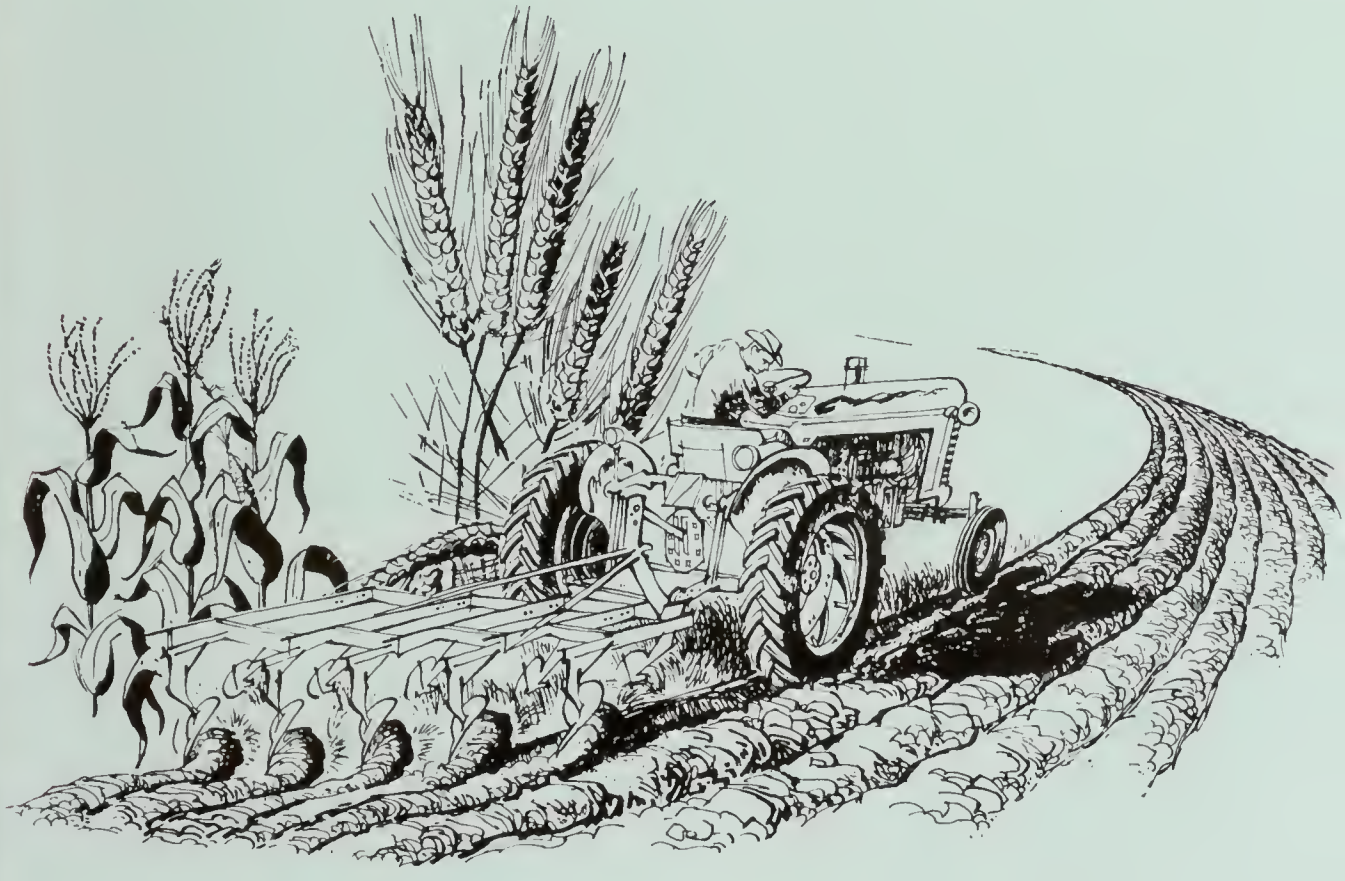
MONTANA COMMERCIAL FERTILIZER REPORT



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Volume 33, 1986

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This reports consists of the following sections:

Fertilizer Analyses. . . . . .Pages 1-34

Statistical. . . . . .Pages 35-38

Abbreviations Used:

Phosphorus Denotes P2O5. . . .Available Phosphoric Acid

Potassium Denotes K2O. . . . . .Soluble Potash

ppm. . . . . .Parts Per Million

*. . . . . .Deficiency

MANUFACTURER

AGRI BASICS CO
P.O.BOX 112
BELGRADE,MT 59714

BLEND 14-15-10-10.4 — SAMPLED IN BELGRADE — SAMPLE # 0702

ANALYSIS	CLAIMED	FOUND	
NITROGEN	14%	14.7%	
PHOSPHATE	15%	20.0%	
POTASH	10%	10.4%	
SULFUR	10.4%	9.0%	*

MANUFACTURER

AGRI BASICS CO
1420 MINNESOTA AVE
BILLINGS,MT 59101

AMMONIUM NITRATE 34-0-0 — SAMPLED IN RED LODGE — SAMPLE # 0796

ANALYSIS	CLAIMED	FOUND
NITROGEN	34%	34.1%

CUSTOM BLEND 27.6-18.3-0 — SAMPLED IN BILLINGS — SAMPLE # 0056

ANALYSIS	CLAIMED	FOUND	
NITROGEN	27.6%	28.0%	
PHOSPHATE	18.3%	17.3%	*

MONOAMMONIUM PHOSPHATE 11-53-0 — SAMPLED IN RED LODGE — SAMPLE # 0794

ANALYSIS	CLAIMED	FOUND
NITROGEN	11%	10.9%
PHOSPHATE	53%	53.2%

POTASH — SAMPLED IN RED LODGE — SAMPLE # 0795

ANALYSIS	CLAIMED	FOUND
POTASH	60%	61.2%

MANUFACTURER

AGRI BASICS CO
P.O.BOX 774
LEWISTOWN,MT 59457

CUSTOM BLENDED FERTILIZER — SAMPLED IN LEWISTOWN — SAMPLE # 0820

ANALYSIS	CLAIMED	FOUND
NITROGEN	8.8%	8.6%
PHOSPHATE	42.4%	41.7%
POTASH	12.2%	12.2%

AGRI BASICS CO - LEWISTOWN CONTINUED

CUSTOM BLENDED FERTILIZER — SAMPLED IN LEWISTOWN — SAMPLE # 0822

ANALYSIS	CLAIMED	FOUND	
NITROGEN	20.5%	20.4%	
PHOSPHATE	25.3%	23.6%	*
POTASH	7.6%	7.2%	
SULFUR	4.2%	7.7%	

MANUFACTURER

AGRI BASICS CO
P.O.BOX 1279
MILES CITY,MT 59301

10-30-0 FERTILIZER SOLUTION — SAMPLED IN MILES CITY — SAMPLE # 1222

ANALYSIS	CLAIMED	FOUND
NITROGEN	10%	10.0%
PHOSPHATE	30%	29.3%

28-0-0 SOLUTION — SAMPLED IN MILES CITY — SAMPLE # 0034

ANALYSIS	CLAIMED	FOUND	
NITROGEN	28%	26.8%	*

MANUFACTURER

AGRI BASICS CO
P.O.BOX 'B'
MOORE,MT 59464

BLEND 28.8-14.9-0 — SAMPLED IN MOORE — SAMPLE # 0077

ANALYSIS	CLAIMED	FOUND	
NITROGEN	28.8%	28.9%	
PHOSPHATE	14.9%	13.7%	*

FERTILIZER BLENDED — SAMPLED IN MOORE — SAMPLE # 0833

ANALYSIS	CLAIMED	FOUND	
NITROGEN	32.3%	31.2%	*
PHOSPHATE	22.6%	23.6%	

MANUFACTURER

AGRIBASICS CO

GERALDINE,MT 59446

AGRI-BASICS NITRATE SOLUTION — SAMPLED IN DENTON — SAMPLE # 0830

ANALYSIS	CLAIMED	FOUND	
NITROGEN	32%	30.5%	*

MANUFACTURER

AGRICO CHEMICAL CO
P.O.BOX 3166
TULSA,OK 74101

DIAMMONIUM PHOSPHATE 18-46-0 — SAMPLED IN FAIRFIELD — SAMPLE # 1064

ANALYSIS	CLAIMED	FOUND
NITROGEN	18%	17.9%
PHOSPHATE	46%	46.7%

DIAMMONIUM PHOSPHATE- 18-46-0 — SAMPLED IN BELGRADE — SAMPLE # 0704

ANALYSIS	CLAIMED	FOUND
NITROGEN	18%	17.7%
PHOSPHATE	46%	46.3%

MONOAMMONIUM PHOSPHATE 11-52-0 — SAMPLED IN KALISPELL — SAMPLE # 1391

ANALYSIS	CLAIMED	FOUND
NITROGEN	11%	11.3%
PHOSPHATE	52%	52.4%

MONOAMMONIUM PHOSPHATE 11-52-0 — SAMPLED IN GREAT FALLS — SAMPLE # 0571

ANALYSIS	CLAIMED	FOUND
NITROGEN	11%	11.1%
PHOSPHATE	52%	53.2%
POTASH	NO CLAIM	1%

MONOAMMONIUM PHOSPHATE 11-52-0 — SAMPLED IN FAIRFIELD — SAMPLE # 1063

ANALYSIS	CLAIMED	FOUND
NITROGEN	11%	11.2%
PHOSPHATE	52%	53.2%

MANUFACTURER

ASCARCO

E.HELENA,MT

SULFURIC ACID (31% SULFUR) — SAMPLED IN TOWNSEND — SAMPLE # 0714

ANALYSIS	CLAIMED	FOUND
SULFUR	31%	31.0%
ARSENIC	NO CLAIM	0.38 PPM

MANUFACTURER

BEARTOOTH GRAIN & FEED
P.O.BOX 1088
RED LODGE,MT 59068

BLEND 30.5-10.2-0 — SAMPLED IN RED LODGE — SAMPLE # 1195

ANALYSIS	CLAIMED	FOUND	
NITROGEN	30.5%	31.0%	
PHOSPHATE	10.2%	8.3%	*

MANUFACTURER

BEKER INDUSTRIES CORP
P.O.BOX 37
CONDO,ID 83230

MONOAMMONIUM PHOSPHATE 11-52-0 — SAMPLED IN BILLINGS — SAMPLE # 1189

ANALYSIS	CLAIMED	FOUND
NITROGEN	11%	11.1%
PHOSPHATE	52%	52.6%

MONOAMMONIUM PHOSPHATE 11-52-0 — SAMPLED IN DILLON — SAMPLE # 1531

ANALYSIS	CLAIMED	FOUND
NITROGEN	11%	10.9%
PHOSPHATE	52%	53.1%

AMMONIUM PHOSPHATE 16-20-0-15 — SAMPLED IN BELGRADE — SAMPLE # 0703

ANALYSIS	CLAIMED	FOUND	
NITROGEN	16%	15.9%	
PHOSPHATE	20%	26.9%	
SULFUR	15%	12.3%	*

AMMONIUM PHOSPHATE 16-20-0-14 — SAMPLED IN DILLON — SAMPLE # 0942

ANALYSIS	CLAIMED	FOUND
NITROGEN	16%	15.8%
PHOSPHATE	20%	22.9%
SULFUR	14%	13.9%

AMMONIUM PHOSPHATE-SULFATE 16-20-0-15 — SAMPLED IN BILLINGS — SAMPLE # 1175

ANALYSIS	CLAIMED	FOUND
NITROGEN	16%	15.7%
PHOSPHATE	20%	21.1%
SULFUR	15%	14.6%

DIAMMONIUM PHOSPHATE 18-46-0 (LA PLANT) — SAMPLED IN BILLINGS — SAMPLE # 1190

ANALYSIS	CLAIMED	FOUND
NITROGEN	18%	17.9%
PHOSPHATE	46%	46.8%

BEKER INDUSTRIES CORP - CONDO CONTINUED

MONOAMMONIUM PHOSPHATE — SAMPLED IN WINIFRED — SAMPLE # 0825

ANALYSIS	CLAIMED	FOUND	
NITROGEN	11%	11.3%	
PHOSPHATE	53%	50.6%	*

MONOAMMONIUM PHOSPHATE 11-53-0 — SAMPLED IN CUTBANK — SAMPLE # 0578

ANALYSIS	CLAIMED	FOUND
NITROGEN	11%	11.3%
PHOSPHATE	53%	53.3%

MONOAMMONIUM PHOSPHATE 11-53-0 — SAMPLED IN CHESTER — SAMPLE # 0581

ANALYSIS	CLAIMED	FOUND
NITROGEN	11%	10.9%
PHOSPHATE	53%	52.9%

MONOAMMONIUM PHOSPHATE 11-53-0 — SAMPLED IN GREAT FALLS — SAMPLE # 1049

ANALYSIS	CLAIMED	FOUND
NITROGEN	11%	11.0%
PHOSPHATE	53%	53.6%

MONOAMMONIUM PHOSPHATE- 11-53-0 — SAMPLED IN BELGRADE — SAMPLE # 0705

ANALYSIS	CLAIMED	FOUND
NITROGEN	11%	10.9%
PHOSPHATE	53%	53.3%

MANUFACTURER

BIEBER FEED & GRAIN CO
P.O.BOX 490
BIG TIMBER,MT 59011

BLEND 30.5-10.1-0 — SAMPLED IN BIG TIMBER — SAMPLE # 1197

ANALYSIS	CLAIMED	FOUND	
NITROGEN	30.5%	31.3%	
PHOSPHATE	10.1%	7.2%	*

MANUFACTURER

C.I.L. INC
P.O.BOX 250
CARSELAND,ALBT T0J 0M0
CANADA

AMMONIUM SULFATE 34-0-0 — SAMPLED IN DILLON — SAMPLE # 1532

ANALYSIS	CLAIMED	FOUND
NITROGEN	34%	34.1%

MANUFACTURER

CARGILL INC
P.O.BOX 1584
GREAT FALLS,MT 59404

MONOAMMONIUM PHOSPHATE 11-52-0 — SAMPLED IN HARLOWTON — SAMPLE # 1199

ANALYSIS	CLAIMED	FOUND
NITROGEN	11%	11.1%
PHOSPHATE	52%	52.1%

MANUFACTURER

CARGILL INC
P.O.BOX '0'
HARLOWTON,MT 59036

BLEND 30.5-10-0 — SAMPLED IN HARLOWTON — SAMPLE # 0036

ANALYSIS	CLAIMED	FOUND	
NITROGEN	30.5%	31.3%	
PHOSPHATE	10%	8.3%	*

MANUFACTURER

CARGILL, INC
P.O.BOX 5602
MINNEAPOLIS,MN 55440

DIAMMONIUM PHOSPHATE 18-46-0 — SAMPLED IN HAVRE — SAMPLE # 0561

ANALYSIS	CLAIMED	FOUND
NITROGEN	18%	18.0%
PHOSPHATE	46%	47.0%

DIAMMONIUM PHOSPHATE 18-46-0 — SAMPLED IN LEWISTOWN — SAMPLE # 0823

ANALYSIS	CLAIMED	FOUND
NITROGEN	18%	18.0%
PHOSPHATE	46%	46.4%

GARDENER 10-50-0 — SAMPLED IN HAVRE — SAMPLE # 0559

ANALYSIS	CLAIMED	FOUND
NITROGEN	10%	10.3%
PHOSPHATE	50%	51.1%

GARDINER- MONOAMMONIUM PHOSPHATE 10-50-0 — SAMPLED IN TIBER — SAMPLE # 0580

ANALYSIS	CLAIMED	FOUND
NITROGEN	10%	10.2%
PHOSPHATE	50%	50.6%

CARGILL, INC - MINNEAPOLIS CONTINUED

MONOAMMONIUM PHOSPHATE 10-50-0 SAMPLED IN LEWISTOWN SAMPLE # 0824

ANALYSIS	CLAIMED	FOUND
NITROGEN	10%	10.4%
PHOSPHATE	50%	50.9%

MONOAMMONIUM PHOSPHATE 11-52-0 SAMPLED IN HARLOWTON SAMPLE # 0070

ANALYSIS	CLAIMED	FOUND
NITROGEN	11%	11.2%
PHOSPHATE	52%	53.0%

MONOAMMONIUM PHOSPHATE 10-50-0 SAMPLED IN LEWISTOWN SAMPLE # 0081

ANALYSIS	CLAIMED	FOUND
NITROGEN	10%	10.5%
PHOSPHATE	50%	51.1%

POTASH 0-0-60 SAMPLED IN HELENA SAMPLE # 0956

ANALYSIS	CLAIMED	FOUND
POTASH	60%	60.6%

MANUFACTURER

CASCADE FERTILIZER LTD
P.O.BOX 40
STANDARD,ALBT T0J 3G0
CANADA

LIQUID 28-0-0 SAMPLED IN CONRAD SAMPLE # 1054

ANALYSIS	CLAIMED	FOUND	
NITROGEN	28%	24.6%	*

MANUFACTURER

CENEX SOIL SERVICE CENTER
P.O.BOX 1322
BILLINGS,MT 59103

BLENDED MONOAMMONIUM PHOSPHATE BEKER/SIMPLOT SAMPLED IN BILLINGS SAMPLE # 1172

ANALYSIS	CLAIMED	FOUND
NITROGEN	11%	10.9%
PHOSPHATE	52%	52.6%

MANUFACTURER

CENEX SOIL SERVICE CENTER
1000 RR ALLEY
GLASGOW,MT 59230

BLEND 28-28-0 — SAMPLED IN GLASGOW — SAMPLE # 1405

ANALYSIS	CLAIMED	FOUND	
NITROGEN	28%	29.0%	
PHOSPHATE	28%	28.2%	

MANUFACTURER

CENEX SOIL SERVICE CENTER
P.O.BOX 857
TOWNSEND,MT 59644

BLEND 0-29.9-20 — SAMPLED IN TOWNSEND — SAMPLE # 0707

ANALYSIS	CLAIMED	FOUND	
PHOSPHATE	29.9%	29.4%	
POTASH	20%	22.4%	

BLEND 8-39-15 — SAMPLED IN TOWNSEND — SAMPLE # 0712

ANALYSIS	CLAIMED	FOUND	
NITROGEN	8%	8.1%	
PHOSPHATE	39%	37.9%	*
POTASH	15%	16.0%	

MANUFACTURER

CEPEX INC
817 S.POLK
AMARILLO,TX 79101

32% SOLUTION 32-0-0 — SAMPLED IN BELGRADE — SAMPLE # 0719

ANALYSIS	CLAIMED	FOUND	
NITROGEN	32%	31.9%	

LIQUID 32-0-0 — SAMPLED IN GREAT FALLS — SAMPLE # 0555

ANALYSIS	CLAIMED	FOUND	
NITROGEN	32%	28.0%	*

UREA AMMONIUM NITRATE SOLUTION 32-0-0 — SAMPLED IN BILLINGS — SAMPLE # 0048

ANALYSIS	CLAIMED	FOUND	
NITROGEN	32%	32.3%	

MANUFACTURER

CHEVRON CHEMICAL CO
940 HENSLEY ST
RICHMOND,CA 94804

AMMONIUM NITRATE 34-0-0 — SAMPLED IN RONAN — SAMPLE # 1392

ANALYSIS	CLAIMED	FOUND
NITROGEN	34%	33.9%

AMMONIUM NITRATE 34-0-0 — SAMPLED IN HELENA — SAMPLE # 0957

ANALYSIS	CLAIMED	FOUND
NITROGEN	34%	34.0%

AMMONIUM PHOSPHATE 16-20-0-15 — SAMPLED IN HELENA — SAMPLE # 0958

ANALYSIS	CLAIMED	FOUND
NITROGEN	16%	16.1%
PHOSPHATE	20%	20.6%
SULFUR	15%	15.4%

CHEVRON UNIPEL 16-16-16 — SAMPLED IN RONAN — SAMPLE # 1253

ANALYSIS	CLAIMED	FOUND
NITROGEN	16%	15.4%
PHOSPHATE	16%	16.2%
POTASH	16%	16.7%

ORTHO AMMONIUM NITRATE 34-0-0 — SAMPLED IN RONAN — SAMPLE # 1252

ANALYSIS	CLAIMED	FOUND
NITROGEN	34%	33.9%

UNIPEL 27-12-0 — SAMPLED IN DEER LODGE — SAMPLE # 0723

ANALYSIS	CLAIMED	FOUND
NITROGEN	27%	26.5%
PHOSPHATE	12%	12.1%

MANUFACTURER

CO-OP SERVICE CENTER
1270 SOUTH 24th ST WEST
BILLINGS,MT 59102

CUSTOM BLEND 26-21-0 — SAMPLED IN BILLINGS — SAMPLE # 0775

ANALYSIS	CLAIMED	FOUND
NITROGEN	26%	26.0%
PHOSPHATE	21%	22.1%

CO-OP SERVICE CENTER - BILLINGS CONTINUED

CUSTOM BLEND 26-23-0-0 — SAMPLED IN BILLINGS — SAMPLE # 0776

ANALYSIS	CLAIMED	FOUND
NITROGEN	26%	25.9%
PHOSPHATE	23%	23.0%

MANUFACTURER

COMINCO AMERICAN INC
P.O.BOX 3087
SPOKANE,WA 99220

AMMONIUM SULFATE 21-0-0-24 — SAMPLED IN EDGAR — SAMPLE # 1194

ANALYSIS	CLAIMED	FOUND
NITROGEN	21%	21.0%
SULFUR	24%	24.7%

AMMONIUM SULFATE 21-0-0-24 — SAMPLED IN TOWNSEND — SAMPLE # 0731

ANALYSIS	CLAIMED	FOUND
NITROGEN	21%	20,9%
SULFUR	24%	24.6%

ELEPHANT AMMONIUM PHOSPHATE 16-20-0 — SAMPLED IN KALISPELL — SAMPLE # 1384

ANALYSIS	CLAIMED	FOUND
NITROGEN	16%	17.0%
PHOSPHATE	20%	19.5%

ELEPHANT AMMONIUM SULFATE 21-0-0-24 — SAMPLED IN RONAN — SAMPLE # 1254

ANALYSIS	CLAIMED	FOUND
NITROGEN	21%	21.0%
SULFUR	24%	24.6%

ELEPHANT MONOAMMONIUM PHOSPHATE — SAMPLED IN DENTON — SAMPLE # 0042

ANALYSIS	CLAIMED	FOUND
NITROGEN	11%	11.2%
PHOSPHATE	55%	54.7%

ELEPHANT MONOAMMONIUM PHOSPHATE 11-55-0 — SAMPLED IN LEWISTOWN — SAMPLE # 0819

ANALYSIS	CLAIMED	FOUND
NITROGEN	11%	11.1%
PHOSPHATE	55%	55.5%

ELEPHANT POTASH — SAMPLED IN LEWISTOWN — SAMPLE # 0079

ANALYSIS	CLAIMED	FOUND
POTASH	60%	60.9%

COMINCO AMERICAN INC - SPOKANE CONTINUED

ELEPHANT POTASH — SAMPLED IN LEWISTOWN — SAMPLE # 0799

ANALYSIS	CLAIMED	FOUND	
POTASH	60%	60.3%	

ELEPHANT POTASH — SAMPLED IN KALISPELL — SAMPLE # 1383

ANALYSIS	CLAIMED	FOUND	
POTASH	60%	61.4%	

ELEPHANT UREA-SULFUR 36-0-0-20 — SAMPLED IN LEWISTOWN — SAMPLE # 0818

ANALYSIS	CLAIMED	FOUND	
NITROGEN	36%	36.3%	
SULFUR	20%	20.5%	

MONOAMMONIUM PHOSPHATE 11-55-0 — SAMPLED IN BELGRADE — SAMPLE # 0717

ANALYSIS	CLAIMED	FOUND	
NITROGEN	11%	11.1%	
PHOSPHATE	55%	55.1%	

MANUFACTURER

COOP SUPPLY OF LAKE COUNTY
P.O.BOX 156
ROMAN,MT 59864

BLEND 33-0-0-12 — SAMPLED IN RONAN — SAMPLE # 1245

ANALYSIS	CLAIMED	FOUND	
NITROGEN	33%	31.5%	*
SULFUR	12%	13.1%	

CUSTOM BLENDED FERTILIZER — SAMPLED IN RONAN — SAMPLE # 1378

ANALYSIS	CLAIMED	FOUND	
NITROGEN	17.3%	21.7%	
PHOSPHATE	11.6%	8.6%	*
POTASH	11.6%	9.6%	*
SULFUR	11.6%	11.52%	

MANUFACTURER

E.H.WALRATH & SONS
P.O.BOX 'P'
BRIDGER,MT 59014

BLEND 18.7-31.1-7.8 — SAMPLED IN BRIDGER — SAMPLE # 1185

ANALYSIS	CLAIMED	FOUND
NITROGEN	18.7%	18.9%
PHOSPHATE	31.1%	33.6%
POTASH	7.8%	7.7%

E.H.WALRATH & SONS - BRIDGER CONTINUED

BLEND 25.6-11.7-7.7 — SAMPLED IN BRIDGER — SAMPLE # 1186

ANALYSIS	CLAIMED	FOUND	
NITROGEN	25.6%	26.9%	
PHOSPHATE	11.7%	10.9%	*
POTASH	7.7%	7.9%	

MANUFACTURER

EAGLE-PICHER IND.- AG CHEM
P.O.BOX 550
JOPLIN,MO 64802

AGRI-SUL 92% SULFUR — SAMPLED IN LAMBERT — SAMPLE # 1358

ANALYSIS	CLAIMED	FOUND	
SULFUR	92%	88.6%	*

MANUFACTURER

EQUITY SUPPLY CO
P.O.BOX 579
KALISPELL,MT 59901

BLEND 7.33-34.66-0-30 — SAMPLED IN KALISPELL — SAMPLE # 1374

ANALYSIS	CLAIMED	FOUND	
NITROGEN	7.33%	7.31%	
PHOSPHATE	34.66%	31.53%	*
SULFUR	30%	34.5%	

CUSTOM BLENDED FERTILIZER — SAMPLED IN KALISPELL — SAMPLE # 1390

ANALYSIS	CLAIMED	FOUND
NITROGEN	12%	13.7%
PHOSPHATE	15.8%	16.2%
POTASH	12.5%	12.4%
SULFUR	11%	12.8%

MANUFACTURER

EXXON CHEMICAL FERTILIZER CO
P.O.BOX 176
DUTTON,MT 59433

AMMONIUM NITRATE 34-0-0 — SAMPLED IN HARLOWTON — SAMPLE # 0072

ANALYSIS	CLAIMED	FOUND
NITROGEN	34%	34.1%

EXXON CHEMICAL FERTILIZER CO - DUTTON CONTINUED

AMMONIUM NITRATE 34-0-0 — SAMPLED IN TOWNSEND — SAMPLE # 0729

ANALYSIS	CLAIMED	FOUND
NITROGEN	34%	34.1%

MANUFACTURER

EXXON CHEMICAL OF AMERICA
P.O.BOX 3272
HOUSTON,TX 77001

AMMONIUM NITRATE 34-0-0 — SAMPLED IN BILLINGS — SAMPLE # 1174

ANALYSIS	CLAIMED	FOUND
NITROGEN	34%	34.1%

MANUFACTURER

FARMERS UNION CENTRAL EXCHANGE
P.O.BOX 43089
ST. PAUL,MN 55164

AMMONIUM NITRATE 34-0-0 — SAMPLED IN EDGAR — SAMPLE # 0062

ANALYSIS	CLAIMED	FOUND
NITROGEN	34%	34.1%

AMMONIUM NITRATE 34-0-0 — SAMPLED IN STANFORD — SAMPLE # 0076

ANALYSIS	CLAIMED	FOUND
NITROGEN	34%	34.0%

AMMONIUM NITRATE (EXXON) 34-0-0 — SAMPLED IN TOWNSEND — SAMPLE # 0708

ANALYSIS	CLAIMED	FOUND
NITROGEN	34%	33.9%

AMMONIUM PHOSPHATE 16-20-0-15 (SIMPLOT) — SAMPLED IN TOWNSEND — SAMPLE # 0711

ANALYSIS	CLAIMED	FOUND
NITROGEN	16%	15.8%
PHOSPHATE	20%	20.0%
SULFUR	15%	15.6%

AMMONIUM SULFATE 21-0-0-24 — SAMPLED IN TOWNSEND — SAMPLE # 0710

ANALYSIS	CLAIMED	FOUND
NITROGEN	21%	21.0%
SULFUR	24%	24.6%

FARMERS UNION CENTRAL EXCHANGE - ST. PAUL CONTINUED

AMMONIUM SULFATE (CFI) 21-0-0-24 — SAMPLED IN RONAN — SAMPLE # I247

ANALYSIS	CLAIMED	FOUND
NITROGEN	21%	20.9%
SULFUR	24%	24.6%

AMMONIUM SULPHATE 21-0-0-24 — SAMPLED IN EDGAR — SAMPLE # 0058

ANALYSIS	CLAIMED	FOUND
NITROGEN	21%	20.9%
SULFUR	24%	24.6%

CENEX AMMONIUM SULFATE 21-0-0-24 — SAMPLED IN DENTON — SAMPLE # 004I

ANALYSIS	CLAIMED	FOUND
NITROGEN	21%	20.9%
SULFUR	24%	24.6%

CENEX DIAMMONIUM PHOSPHATE — SAMPLED IN STANFORD — SAMPLE # 0046

ANALYSIS	CLAIMED	FOUND
NITROGEN	I8%	I6.9% *
PHOSPHATE	46%	46.1%

CENEX DIAMMONIUM PHOSPHATE I8-46-0 — SAMPLED IN MOLT — SAMPLE # 0763

ANALYSIS	CLAIMED	FOUND
NITROGEN	18%	17.6%
PHOSPHATE	46%	46.I%

CENEX MONOAMMONIUM PHOSPHATE — SAMPLED IN DENTON — SAMPLE # 0039

ANALYSIS	CLAIMED	FOUND
NITROGEN	11%	II.3%
PHOSPHATE	52%	51.7%

CENEX MONOAMMONIUM PHOSPHATE — SAMPLED IN RONAN — SAMPLE # I246

ANALYSIS	CLAIMED	FOUND
NITROGEN	11%	11.0%
PHOSPHATE	52%	52.8%

CENEX POTASH — SAMPLED IN DENTON — SAMPLE # 0040

ANALYSIS	CLAIMED	FOUND
POTASH	60%	62.3%

CENEX POTASH 0-0-60 — SAMPLED IN EDGAR — SAMPLE # 0061

ANALYSIS	CLAIMED	FOUND
POTASH	60%	60.5%

FARMERS UNION CENTRAL EXCHANGE - ST. PAUL CONTINUED

CENEX TRIPLE SUPER PHOSPHATE — SAMPLED IN RONAN — SAMPLE # 1249

ANALYSIS	CLAIMED	FOUND
PHOSPHATE	44%	45.6%

CENEX UREA 46-0-0 — SAMPLED IN DENTON — SAMPLE # 0038

ANALYSIS	CLAIMED	FOUND
NITROGEN	46%	45.9%

CFI POTASH — SAMPLED IN KALISPELL — SAMPLE # 1379

ANALYSIS	CLAIMED	FOUND
POTASH	60%	61.1%

CFI UREA 46-0-0 — SAMPLED IN BILLINGS — SAMPLE # 1173

ANALYSIS	CLAIMED	FOUND
NITROGEN	46%	46.0%

DIAMMONIUM PHOSPHATE 18-46-0 (SIMPLOT) — SAMPLED IN TOWNSEND — SAMPLE # 0709

ANALYSIS	CLAIMED	FOUND	
NITROGEN	18%	17.1%	*
PHOSPHATE	46%	45.8%	

DIAMMONIUM PHOSPHATE 18-46-0 — SAMPLED IN EDGAR — SAMPLE # 0059

ANALYSIS	CLAIMED	FOUND
NITROGEN	18%	17.9%
PHOSPHATE	46%	46.6%

EXXON UREA 46-0-0 — SAMPLED IN BELGRADE — SAMPLE # 0733

ANALYSIS	CLAIMED	FOUND
NITROGEN	46%	46.0%

J.R.SIMPLOT DIAMMONIUM PHOSPHATE 18-46-0 — SAMPLED IN BELGRADE — SAMPLE # 0735

ANALYSIS	CLAIMED	FOUND
NITROGEN	18%	17.9%
PHOSPHATE	46%	46.7%

KALIUM POTASH — SAMPLED IN DENTON — SAMPLE # 0828

ANALYSIS	CLAIMED	FOUND
POTASH	60%	60.6%

FARMERS UNION CENTRAL EXCHANGE - ST. PAUL CONTINUED

MONOAMMONIUM PHOSPHATE 11-52-0 — SAMPLED IN GERALDINE — SAMPLE # 1057

ANALYSIS	CLAIMED	FOUND
NITROGEN	11%	10.9%
PHOSPHATE	52%	52.4%

MONOAMMONIUM PHOSPHATE 11-52-0 — SAMPLED IN BELGRADE — SAMPLE # 0701

ANALYSIS	CLAIMED	FOUND
NITROGEN	11%	10.5%
PHOSPHATE	52%	53.6%

MONOAMMONIUM PHOSPHATE 11-52-0 — SAMPLED IN EDGAR — SAMPLE # 0060

ANALYSIS	CLAIMED	FOUND
NITROGEN	11%	11.0%
PHOSPHATE	52%	52.8%

POTASH (CFI) 0-0-60 — SAMPLED IN RONAN — SAMPLE # 1248

ANALYSIS	CLAIMED	FOUND
POTASH	60%	61.6%

POTASH (KALIUM) 0-0-60 — SAMPLED IN BELGRADE — SAMPLE # 1537

ANALYSIS	CLAIMED	FOUND
POTASH	60%	60.0%

SHERRITT AMMONIUM SULFATE 21-0-0-24 — SAMPLED IN BELGRADE — SAMPLE # 0736

ANALYSIS	CLAIMED	FOUND
NITROGEN	21%	20.9%
SULFUR	24%	24.7%

TRIPLE 16 16-16-16 — SAMPLED IN RONAN — SAMPLE # 1251

ANALYSIS	CLAIMED	FOUND
NITROGEN	16%	15.8%
PHOSPHATE	16%	16.4%
POTASH	16%	15.4%

UREA 46-0-0 — SAMPLED IN MOLT — SAMPLE # 0764

ANALYSIS	CLAIMED	FOUND
NITROGEN	46%	45.9%

UREA 46-0-0 — SAMPLED IN BROADVIEW — SAMPLE # 0068

ANALYSIS	CLAIMED	FOUND
NITROGEN	46%	46.0%

FARMERS UNION CENTRAL EXCHANGE - ST. PAUL CONTINUED

UREA 46-0-0 — SAMPLED IN DENTON — SAMPLE # 0827

ANALYSIS	CLAIMED	FOUND
NITROGEN	46%	45.9%

UREA 46-0-0 — SAMPLED IN RONAN — SAMPLE # 1250

ANALYSIS	CLAIMED	FOUND
NITROGEN	46%	45.9%

UREA 46-0-0 — SAMPLED IN BELGRADE — SAMPLE # 1538

ANALYSIS	CLAIMED	FOUND
NITROGEN	46%	46.3%

MANUFACTURER

FARMERS UNION EXCHANGE
55 4th AVE EAST
KALISPELL,MT 59901

BLEND 16.2-9.6-19.6 — SAMPLED IN KALISPELL — SAMPLE # 1373

ANALYSIS	CLAIMED	FOUND	
NITROGEN	16.2%	15.4%	*
PHOSPHATE	9.6%	9.6%	
POTASH	19.3%	19.6%	

BLEND 27.5-0-10.5 — SAMPLED IN KALISPELL — SAMPLE # 1375

ANALYSIS	CLAIMED	FOUND
NITROGEN	27.5%	27.92%
POTASH	10.5%	10.5%

MANUFACTURER

FARMERS UNION OIL CO
1000 SMELTER AVE
BLACK EAGLE,MT 59414

BLENDED MONOAMMONIUM PHOSPHATE 11-52-0 — SAMPLED IN BLACK EAGLE — SAMPLE # 1051

ANALYSIS	CLAIMED	FOUND
NITROGEN	11%	10.9%
PHOSPHATE	52%	52.0%

MANUFACTURER

FARMERS UNION OIL CO
P.O.BOX 'P'
CIRCLE,MT 59215

BLEND 9-43-10 — SAMPLED IN CIRCLE — SAMPLE # 1357

ANALYSIS	CLAIMED	FOUND
NITROGEN	9%	8.6%
PHOSPHATE	43%	43.4%
POTASH	10%	11.6%

MANUFACTURER

FARMERS UNION OIL CO
HWY 2 EAST
WOLF POINT,MT 59201

BLEND 24-24-0-2.82ZN — SAMPLED IN WOLF POINT — SAMPLE # 1540

ANALYSIS	CLAIMED	FOUND
NITROGEN	24%	22.2%
PHOSPHATE	24%	26.2%
ZINC	2.82%	3.36%

BLEND 32-23-0 — SAMPLED IN WOLF POINT — SAMPLE # 1539

ANALYSIS	CLAIMED	FOUND
NITROGEN	32%	31.4%
PHOSPHATE	23%	23.9%

MANUFACTURER

FEED & FERTILIZER DEPOT
P.O.BOX 127
FALLON,MT 59326

BLEND 25.7-12.8-4.3 ZINC 3 — SAMPLED IN FALLON — SAMPLE # 1359

ANALYSIS	CLAIMED	FOUND
NITROGEN	25.7%	25.7%
PHOSPHATE	12.8%	13.3%
POTASH	4.3%	5.3%
ZINC	3%	0.15% *

MANUFACTURER

GALLATIN FARMERS CO
P.O.BOX 129
BELGRADE,MT 59714

GALLATIN FARMERS CO - BELGRADE CONTINUED

BLEND 0-30-30 — SAMPLED IN BELGRADE — SAMPLE # 1536

ANALYSIS	CLAIMED	FOUND	
PHOSPHATE	30%	29.6%	
POTASH	20%	21.8%	

MANUFACTURER

GREENFIELD FARMERS OIL CO
P.O.BOX 337
FAIRFIELD,MT 59436

BLEND 30-10-0 ELROY NELSON — SAMPLED IN FAIRFIELD — SAMPLE # 1065

ANALYSIS	CLAIMED	FOUND	
NITROGEN	30%	30.5%	
PHOSPHATE	10%	9.0%	*

MANUFACTURER

HARVEST STATES COOPERATIVE
P.O.BOX 355
COLUMBUS,MT 59019

BLEND 22.2-11.1-11.1-4.4 — SAMPLED IN COLUMBUS — SAMPLE # 1196

ANALYSIS	CLAIMED	FOUND
NITROGEN	22.2%	22.3%
PHOSPHATE	11.1%	11.2%
POTASH	11.1%	12.9%
SULFUR	4.4%	4.5%

MANUFACTURER

HARVEST STATES COOPERATIVE
P.O.BOX 1272
CUTBANK,MT 59427

CUSTOM BLEND FERTILIZER — SAMPLED IN CUTBANK — SAMPLE # 0579

ANALYSIS	CLAIMED	FOUND	
NITROGEN	22%	24.3%	
PHOSPHATE	22%	19.9%	*
POTASH	11%	11.0%	

MANUFACTURER

HARVEST STATES COOPERATIVE
P.O.BOX 176
STANFORD,MT 59479

HARVEST STATES COOPERATIVE - STANFORD CONTINUED

FERTILIZER BLENDED — SAMPLED IN STANFORD — SAMPLE # 0831

ANALYSIS	CLAIMED	FOUND
NITROGEN	18.4%	18.7%
PHOSPHATE	18%	17.8%
POTASH	13.8%	14.2%

MANUFACTURER

HEADWATERS AG SUPPLY INC
P.O.BOX 860
TOWNSEND,MT 59644

BLEND 2-1-10-4 — SAMPLED IN LAUREL — SAMPLE # 0051

ANALYSIS	CLAIMED	FOUND	
NITROGEN	2%	3.6%	
PHOSPHATE	1%	1.2%	
POTASH	10%	9.2%	*
SULFUR	4%	4.0%	

BLEND 17-8-3-3 — SAMPLED IN TOWNSEND — SAMPLE # 0716

ANALYSIS	CLAIMED	FOUND
NITROGEN	17%	16.7%
PHOSPHATE	8%	8.0%
POTASH	2%	2.1%
SULFUR	2%	2.2%

HAS LIQUID FERTILIZER — SAMPLED IN LAUREL — SAMPLE # 0837

ANALYSIS	CLAIMED	FOUND
NITROGEN	12%	12.1%
SULFUR	10%	9.5%

HAS LIQUID FERTILIZER 0-44-0-4 — SAMPLED IN LAUREL — SAMPLE # 0835

ANALYSIS	CLAIMED	FOUND	
PHOSPHATE	44%	38.1%	*
SULFUR	4%	4.7%	

HAS LIQUID FERTILIZER 2-1-10-4 — SAMPLED IN LAUREL — SAMPLE # 0836

ANALYSIS	CLAIMED	FOUND
NITROGEN	2%	3.3%
PHOSPHATE	1%	1.2%
POTASH	10%	10.0%
SULFUR	4%	4.1%

HAS LIQUID FERTILIZER 25-0-0-5 — SAMPLED IN LAUREL — SAMPLE # 0834

ANALYSIS	CLAIMED	FOUND	
NITROGEN	25%	24.1%	*
SULFUR	5%	5.1%	

HEADWATERS AG SUPPLY INC - TOWNSEND CONTINUED

LIQUID 26-0-0-6 — SAMPLED IN LAUREL — SAMPLE # 0050

ANALYSIS	CLAIMED	FOUND
NITROGEN	26%	25.4%
SULFUR	6%	5.9%

LIQUID 0-44-0-4 — SAMPLED IN LAUREL — SAMPLE # 0049

ANALYSIS	CLAIMED	FOUND	
PHOSPHATE	44%	38.1%	*
SULFUR	4%	4.8%	

MANUFACTURER

HI LINE FERTILIZER INC
P.O.BOX 228
HINGHAM,MT 59528

AMMONIUM POLYPHOSPHATE 10-34-0 — SAMPLED IN BILLINGS — SAMPLE # 1221

ANALYSIS	CLAIMED	FOUND
NITROGEN	10%	10.1%
PHOSPHATE	34%	33.9%

AMMONIUM POLYPHOSPHATE SOLUTION — SAMPLED IN BILLINGS — SAMPLE # 0047

ANALYSIS	CLAIMED	FOUND
NITROGEN	10%	10.1%
PHOSPHATE	34%	35.0%

LIQUID 10-34-0 — SAMPLED IN CONRAD — SAMPLE # 1056

ANALYSIS	CLAIMED	FOUND
NITROGEN	10%	10.3%
PHOSPHATE	34%	35.2%

LIQUID FERTILIZER 10-34-0 — SAMPLED IN HINGHAM — SAMPLE # 0583

ANALYSIS	CLAIMED	FOUND
NITROGEN	10%	9.6%
PHOSPHATE	34%	33.9%

MANUFACTURER

HUIGH GREYN & SONS FERTILIZER
P.O.BOX 2310
DUTTON,MT 59433

MONOAMMONIUM PHOSPHATE- 11-51-0 — SAMPLED IN DUTTON — SAMPLE # 0569

ANALYSIS	CLAIMED	FOUND
NITROGEN	11%	11.2%
PHOSPHATE	51%	51.7%

MANUFACTURER

IMC
421 E. HAWLEY ST
MUNDELEIN,IL 60060

POTASH — SAMPLED IN HARLOWTON — SAMPLE # 0069

ANALYSIS	CLAIMED	FOUND
POTASH	60%	61.3%

MANUFACTURER

J.R.SIMPLOT CO
P.O.BOX 912
POCATELLO,ID 83204

DIAMMONIUM PHOSPHATE 18-46-0 — SAMPLED IN DILLON — SAMPLE # 1535

ANALYSIS	CLAIMED	FOUND
NITROGEN	18%	17.9%
PHOSPHATE	46%	46.3%

MONOAMMONIUM PHOSPHATE 11-52-0 — SAMPLED IN FORT BENTON — SAMPLE # 1058

ANALYSIS	CLAIMED	FOUND
NITROGEN	11%	11.1%
PHOSPHATE	52%	53.0%

AMMONIUM NITRATE 34-0-0 — SAMPLED IN DILLON — SAMPLE # 0941

ANALYSIS	CLAIMED	FOUND
NITROGEN	34%	33.4%

AMMONIUM PHOSPHATE — SAMPLED IN GREAT FALLS — SAMPLE # 1050

ANALYSIS	CLAIMED	FOUND
NITROGEN	16%	15.6%
PHOSPHATE	20%	23%
SULFUR	15%	14.1%

AMMONIUM PHOSPHATE 16-20-0-15 — SAMPLED IN DEER LODGE — SAMPLE # 0725

ANALYSIS	CLAIMED	FOUND
NITROGEN	16%	15.9%
PHOSPHATE	20%	20.5%
SULFUR	15%	15.4%

AMMONIUM PHOSPHATE 16-20-0-14 — SAMPLED IN GREAT FALLS — SAMPLE # 0573

ANALYSIS	CLAIMED	FOUND
NITROGEN	16%	15.4%
PHOSPHATE	20%	22.4%
SULFUR	14%	14.4%

J.R.SIMPLOT CO - POCATELLO CONTINUED

AMMONIUM PHOSPHATE 16-20-0-14 — SAMPLED IN BELGRADE — SAMPLE # 0737

ANALYSIS	CLAIMED	FOUND
NITROGEN	16%	15.9%
PHOSPHATE	20%	20.4%
SULFUR	14%	15.6%

AMMONIUM PHOSPHATE 16-20-0-14 — SAMPLED IN KALISPELL — SAMPLE # 1382

ANALYSIS	CLAIMED	FOUND
NITROGEN	16%	16.1%
PHOSPHATE	20%	20.1%
SULFUR	14%	15.6%

AMMONIUM PHOSPHATE SULFATE 16-20-0-15 — SAMPLED IN BILLINGS — SAMPLE # 1165

ANALYSIS	CLAIMED	FOUND
NITROGEN	16%	15.9%
PHOSPHATE	20%	20.5%
SULFUR	15%	15.4%

AMMONIUM SULFATE 21-0-0-24 — SAMPLED IN DILLON — SAMPLE # 0939

ANALYSIS	CLAIMED	FOUND
NITROGEN	21%	21.0%
SULFUR	24%	24.7%

AMMONIUM SULFATE 21-0-0-24 — SAMPLED IN DILLON — SAMPLE # 1533

ANALYSIS	CLAIMED	FOUND
NITROGEN	21%	21.0%
SULFUR	24%	24.7%

DIAMMONIUM PHOSPAHTE 18-46-0 — SAMPLED IN CHESTER — SAMPLE # 0582

ANALYSIS	CLAIMED	FOUND
NITROGEN	18%	18.0%
PHOSPHATE	46%	46.6%

DIAMMONIUM PHOSPHATE 18-46-0 — SAMPLED IN FAIRFIELD — SAMPLE # 1060

ANALYSIS	CLAIMED	FOUND
NITROGEN	18%	17.9%
PHOSPHATE	46%	45.5%

DIAMMONIUM PHOSPHATE 18-46-0 — SAMPLED IN FORT BENTON — SAMPLE # 0564

ANALYSIS	CLAIMED	FOUND
NITROGEN	18%	17.5%
PHOSPHATE	46%	45.9%

J.R.SIMPLOT CO - POCATELLO CONTINUED

DIAMMONIUM PHOSPHATE 18-46-0 SAMPLED IN BLACK EAGLE SAMPLE # 1052

ANALYSIS	CLAIMED	FOUND
NITROGEN	18%	18.0%
PHOSPHATE	46%	46.8%

DIAMMONIUM PHOSPHATE 18-46-0 SAMPLED IN BROADVIEW SAMPLE # 0067

ANALYSIS	CLAIMED	FOUND
NITROGEN	18%	18.1%
PHOSPHATE	46%	46.5%

DIAMMONIUM PHOSPHATE 18-46-0 SAMPLED IN FAIRFIELD SAMPLE # 0570

ANALYSIS	CLAIMED	FOUND
NITROGEN	18%	17.9%
PHOSPHATE	46%	46.5%

DIAMMONIUM PHOSPHATE 18-46-0 SAMPLED IN GREAT FALLS SAMPLE # 0572

ANALYSIS	CLAIMED	FOUND
NITROGEN	18%	18.0%
PHOSPHATE	46%	47.0%

DIAMMONIUM PHOSPHATE 18-46-0 SAMPLED IN LEWISTOWN SAMPLE # 0798

ANALYSIS	CLAIMED	FOUND
NITROGEN	18%	18.1%
PHOSPHATE	46%	46.4%

DIAMMONIUM PHOSPHATE 18-46-0 SAMPLED IN WINIFRED SAMPLE # 0826

ANALYSIS	CLAIMED	FOUND
NITROGEN	18%	18.0%
PHOSPHATE	46%	46.1%

DIAMMONIUM PHOSPHATE 18-46-0 SAMPLED IN BILLINGS SAMPLE # 1171

ANALYSIS	CLAIMED	FOUND
NITROGEN	18%	17.7%
PHOSPHATE	46%	46.1%

DIAMMONIUM PHOSPHATE 18-46-0 SAMPLED IN HARLOWTON SAMPLE # 0075

ANALYSIS	CLAIMED	FOUND
NITROGEN	18%	18.0%
PHOSPHATE	46%	46.6%

DIAMMONIUM PHOSPHATE 18-46-0 SAMPLED IN GREAT FALLS SAMPLE # 0575

ANALYSIS	CLAIMED	FOUND
NITROGEN	18%	17.9%
PHOSPHATE	46%	46.8%

J.R.SIMPLOT CO - POCATELLO CONTINUED

DIAMMONIUM PHOSPHATE 18-46-0 — SAMPLED IN DILLON — SAMPLE # 0938

ANALYSIS	CLAIMED	FOUND
NITROGEN	18%	17.9%
PHOSPHATE	46%	46.6%

DIAMMONIUM PHOSPHATE 18-46-0 — SAMPLED IN GREAT FALLS — SAMPLE # 1048

ANALYSIS	CLAIMED	FOUND
NITROGEN	18%	17.9%
PHOSPHATE	46%	46.9%

DIAMMONIUM PHOSPHATE 18-46-0 — SAMPLED IN FORT BENTON — SAMPLE # 1059

ANALYSIS	CLAIMED	FOUND
NITROGEN	18%	17.6%
PHOSPHATE	46%	46.4%

DIAMMONIUM PHOSPHATE 18-46-0 — SAMPLED IN BILLINGS — SAMPLE # 1210

ANALYSIS	CLAIMED	FOUND
NITROGEN	18%	17.6%
PHOSPHATE	46%	46.9%

LIQUID 32-0-0 — SAMPLED IN DILLON — SAMPLE # 0721

ANALYSIS	CLAIMED	FOUND
NITROGEN	32%	31%

LIQUID 15-0-0-20 (BRANDON, MANITOBA) — SAMPLED IN OPHEIM — SAMPLE # 1494

ANALYSIS	CLAIMED	FOUND
NITROGEN	15%	14.3%
SULFUR	20%	22.0%

LIQUID 32-0-0 — SAMPLED IN TOWNSEND — SAMPLE # 0715

ANALYSIS	CLAIMED	FOUND
NITROGEN	32%	32.5%

LIQUID 28-0-0 (BRANDON,MANITOBA) — SAMPLED IN OPHEIM — SAMPLE # 1495

ANALYSIS	CLAIMED	FOUND
NITROGEN	28%	27.2%

MONOAMMONIUM PHOSPHATE 11-52-0 — SAMPLED IN FORT BENTON — SAMPLE # 0565

ANALYSIS	CLAIMED	FOUND
NITROGEN	11%	11.2%
PHOSPHATE	52%	52.0%

J.R.SIMPLOT CO - POCATELLO CONTINUED

MONOAMMONIUM PHOSPHATE 11-52-0 — SAMPLED IN GREAT FALLS — SAMPLE # 0576

ANALYSIS	CLAIMED	FOUND
NITROGEN	11%	11.1%
PHOSPHATE	52%	52.9%

MONOAMMONIUM PHOSPHATE 11-52-0 — SAMPLED IN FAIRFIELD — SAMPLE # 0577

ANALYSIS	CLAIMED	FOUND
NITROGEN	11%	10.9%
PHOSPHATE	52%	52.4%

MONOAMMONIUM PHOSPHATE 11-52-0 — SAMPLED IN FAIRFIELD — SAMPLE # 1061

ANALYSIS	CLAIMED	FOUND
NITROGEN	11%	11.0%
PHOSPHATE	52%	51.9%

MONOAMMONIUM PHOSPHATE 11-52-0 — SAMPLED IN HARLOWTON — SAMPLE # 0074

ANALYSIS	CLAIMED	FOUND
NITROGEN	11%	10.9%
PHOSPHATE	52%	52.6%

MONOAMMONIUM PHOSPHATE 11-52-0 — SAMPLED IN HAVRE — SAMPLE # 0560

ANALYSIS	CLAIMED	FOUND
NITROGEN	11%	10.9%
PHOSPHATE	52%	52.0%

MONOAMMONIUM PHOSPHATE 11-52-0 — SAMPLED IN BELGRADE — SAMPLE # 0734

ANALYSIS	CLAIMED	FOUND
NITROGEN	11%	11.0%
PHOSPHATE	52%	52.3%

MONOAMMONIUM PHOSPHATE 11-52-0 — SAMPLED IN MOLT — SAMPLE # 0765

ANALYSIS	CLAIMED	FOUND
NITROGEN	11%	11.4%
PHOSPHATE	52%	52.0%

MONOAMMONIUM PHOSPHATE 11-52-0 — SAMPLED IN BILLINGS — SAMPLE # 1209

ANALYSIS	CLAIMED	FOUND
NITROGEN	11%	11.0%
PHOSPHATE	52%	53.0%

MONOAMMONIUM PHOSPHATE 11-52-0-2 — SAMPLED IN TOWNSEND — SAMPLE # 0732

ANALYSIS	CLAIMED	FOUND
NITROGEN	11%	11.0%
PHOSPHATE	52%	52.4%
SULFUR	2%	2.0%

J.R.SIMPLOT CO - POCATELLO CONTINUED

MONOAMMONIUM PHOSPHATE 11-53-0 — SAMPLED IN HAVRE — SAMPLE # 0562

ANALYSIS	CLAIMED	FOUND
NITROGEN	11%	11.0%
PHOSPHATE	53%	52.1%

PHOSPHORIC ACID 0-52-0 — SAMPLED IN TOWNSEND — SAMPLE # 0713

ANALYSIS	CLAIMED	FOUND
PHOSPHATE	52%	53.6%

POTASH 0-0-60 — SAMPLED IN DILLON — SAMPLE # 1534

ANALYSIS	CLAIMED	FOUND
POTASH	60%	63.1%

TRIPLE SUPER PHOSPHATE 0-45-0 — SAMPLED IN DILLON — SAMPLE # 0940

ANALYSIS	CLAIMED	FOUND
PHOSPHATE	45%	46.0%

TRIPLE SUPER PHOSPHATE 0-45-0 — SAMPLED IN LEWISTOWN — SAMPLE # 0078

ANALYSIS	CLAIMED	FOUND
PHOSPHATE	45%	45.9%

TRIPLE SUPER PHOSPHATE 0-45-0 — SAMPLED IN DEER LODGE — SAMPLE # 0724

ANALYSIS	CLAIMED	FOUND
PHOSPHATE	45%	45.3%

TRIPLE SUPER PHOSPHATE 0-45-0 — SAMPLED IN BILLINGS — SAMPLE # 1211

ANALYSIS	CLAIMED	FOUND
PHOSPHATE	45%	46.0%

TRIPLE SUPER PHOSPHATE 0-45-0 — SAMPLED IN RONAN — SAMPLE # 1255

ANALYSIS	CLAIMED	FOUND
PHOSPHATE	45%	45.9%

MANUFACTURER

J.R.SIMPLOT SOIL SERVICE
P.O.BOX 20363
BILLINGS,MT 59104

BLEND 30.8-9.2-0 — SAMPLED IN BILLINGS — SAMPLE # 1212

ANALYSIS	CLAIMED	FOUND
NITROGEN	30.8%	31.1%
PHOSPHATE	9.2%	7.76%

CUSTOM BLEND 7.6-35.9-18.6 — SAMPLED IN BILLINGS — SAMPLE # 0057

ANALYSIS	CLAIMED	FOUND	
NITROGEN	7.6%	8.6%	
PHOSPHATE	35.9%	34.6%	*
POTASH	18.6%	18.5%	

MANUFACTURER

KALIUM CHEM CORP- DIV P.P.G.
ONE P.P.G. PLACE- 34 SOUTH
PITTSBURGH,PA 15272

POTASH — SAMPLED IN HARLOWTON — SAMPLE # 0073

ANALYSIS	CLAIMED	FOUND
POTASH	62%	63.5%

POTASH — SAMPLED IN BRIDGER — SAMPLE # 0791

ANALYSIS	CLAIMED	FOUND
POTASH	60%	62%

MANUFACTURER

KERLEY CHEMICAL
P.O.BOX 6183
KENNEWICK,WA 99336

AMMONIUM THIOSULFATE 12-0-0-26 — SAMPLED IN DILLON — SAMPLE # 0722

ANALYSIS	CLAIMED	FOUND
NITROGEN	12%	12.3%
SULFUR	26%	25.9%

AMMONIUM THIOSULFATE 12-0-0-26 — SAMPLED IN BELGRADE — SAMPLE # 0718

ANALYSIS	CLAIMED	FOUND
NITROGEN	12%	12.2%
SULFUR	26%	26.2%

MANUFACTURER

LAMMERS FEED & SEED
DRAWER 729
HARLOWTON,MT 59036

BLEND 26.6-8.3-6.6 — SAMPLED IN HARLOWTON — SAMPLE # 0037

ANALYSIS	CLAIMED	FOUND	
NITROGEN	26.6%	28.2%	
PHOSPHATE	8.3%	6.3%	*
POTASH	6.6%	6.1%	

LAMMERS FEED & SEED - HARLOWTON CONTINUED

BLEND 6.5-30.7-25.2 — SAMPLED IN HARLOWTON — SAMPLE # 1198

ANALYSIS	CLAIMED	FOUND	
NITROGEN	6.5%	6.6%	
PHOSPHATE	30.7%	30.9%	
POTASH	25.2%	26.6%	

MANUFACTURER

LAUREL COOPERATIVE ASSN
P.O.BOX 7
EDGAR,MT 59026

BLEND 30-11.6-0 — SAMPLED IN EDGAR — SAMPLE # 1193

ANALYSIS	CLAIMED	FOUND	
NITROGEN	30%	30.0%	
PHOSPHATE	11.6%	10.5%	*

BLEND 21.8-18.2-10.2 — SAMPLED IN EDGAR — SAMPLE # 1191

ANALYSIS	CLAIMED	FOUND	
NITROGEN	21.8%	21.2%	
PHOSPHATE	18.2%	16.9%	*
POTASH	10.2%	12.7%	

BLEND 28.9-14.5-0 — SAMPLED IN EDGAR — SAMPLE # 1192

ANALYSIS	CLAIMED	FOUND	
NITROGEN	28.9%	28.9%	
PHOSPHATE	14.5%	13.6%	*

MANUFACTURER

MONTANA AGRI-CHEMICALS INC
P.O.BOX 266
BELGRADE,MT 59714

LIQUID 9-30-0 — SAMPLED IN DILLON — SAMPLE # 0720

ANALYSIS	CLAIMED	FOUND
NITROGEN	9%	9.0%
PHOSPHATE	30%	29.6%

MANUFACTURER

MOORE FARMERS OIL CO
P.O.BOX 6
MOORE,MT 59464

MOORE FARMERS OIL CO - MOORE CONTINUED

CUSTOM BLEND- 26-32.9-0 — SAMPLED IN MOORE — SAMPLE # 0832

ANALYSIS	CLAIMED	FOUND
NITROGEN	26%	26.1%
PHOSPHATE	32.9%	33.2%

MANUFACTURER

NORTH PACIFIC TRADING CO
P.O.BOX 3915
PORTLAND,OR 97208

DIAMMONIUM PHOSPHATE 18-46-0 — SAMPLED IN BRIDGER — SAMPLE # 0792

ANALYSIS	CLAIMED	FOUND	
NITROGEN	18%	17.2%	*
PHOSPHATE	46%	47.2%	

MANUFACTURER

NUTRO GROW SERVICE
P.O.BOX 956
DENTON,MT 59430

CUSTOM BLENDED FERTILIZER — SAMPLED IN DENTON — SAMPLE # 0829

ANALYSIS	CLAIMED	FOUND
NITROGEN	20%	19.9%
PHOSPHATE	8%	7.7%

LIQUID 28-0-0 — SAMPLED IN DENTON — SAMPLE # 0044

ANALYSIS	CLAIMED	FOUND
NITROGEN	28%	27.8%

MANUFACTURER

P.P.G. INDUSTRIES (KALIUM CHE)
ONE P.P.G. PLACE- 34 SOUTH
PITTSBURG,PA 15272

POTASH 0-0-62 — SAMPLED IN BILLINGS — SAMPLE # 1213

ANALYSIS	CLAIMED	FOUND
POTASH	62%	62.6%

MANUFACTURER

PLANT FOOD CO-OP
P.O.BOX 1361
BILLINGS,MT 59103

BLEND 13.8-6.9-17.2-12.5-0.85ZN — SAMPLED IN BILLINGS — SAMPLE # 1188

ANALYSIS	CLAIMED	FOUND	
NITROGEN	13.8%	15.2%	
PHOSPHATE	6.9%	5.6%	*
POTASH	17.2%	15.0%	*
SULFUR	12.5%	12.5%	
ZINC	0.85%	0.78%	

MANUFACTURER

POLY PHOS PROCESSING
P.O.BOX 23
FLAXVILLE,MT 59222

LIQUID 10-34-0 — SAMPLED IN OPHEIM — SAMPLE # 1516

ANALYSIS	CLAIMED	FOUND	
NITROGEN	10%	9.1%	*
PHOSPHATE	34%	32.7%	*

MANUFACTURER

POTASH CORP OF SASKATCHEWAN
410-22ND STREET EAST
SASKATOON,SASK S7K 5T7
CANADA

POTASH — SAMPLED IN TOWNSEND — SAMPLE # 0730

ANALYSIS	CLAIMED	FOUND
POTASH	60%	61.3%

POTASH 0-0-60 — SAMPLED IN BELGRADE — SAMPLE # 0706

ANALYSIS	CLAIMED	FOUND
POTASH	60%	61.6%

MANUFACTURER

PRECISION AG SUPPLY INC
P.O.BOX 1021
LAUREL,MT 59044

CUSTOM BLEND 12-2-5-2 — SAMPLED IN LAUREL — SAMPLE # 0052

ANALYSIS	CLAIMED	FOUND
NITROGEN	12%	13.6%
PHOSPHATE	2%	2.6%
POTASH	5%	4.6%
SULFUR	2%	2.0%

MANUFACTURER

SELSTAD SOIL SERVICE
R.R. 5045
GREAT FALLS,MT 59401

LIQUID 10-34-0 — SAMPLED IN DENTON — SAMPLE # 0043

ANALYSIS	CLAIMED	FOUND
NITROGEN	10%	9.3%
PHOSPHATE	34%	35.3%

SELSTAD'S 10-34-0 LIQUID — SAMPLED IN GREAT FALLS — SAMPLE # 0554

ANALYSIS	CLAIMED	FOUND
NITROGEN	10%	9.7%
PHOSPHATE	34%	34.3%

MANUFACTURER

SHERRITT FERTILIZER INC
7017 N.E.HIGHWAY 99, SUITE 106
VANCOUVER,WA 98665

AMMONIUM SULFATE W/ PHOSPHATE 19-9-0-20 — SAMPLED IN LEWISTOWN — SAMPLE # 0817

ANALYSIS	CLAIMED	FOUND
NITROGEN	19%	18.3%
PHOSPHATE	9%	9.6%
SULFUR	20%	20.1%

AMMONIUM SULFATE W/PHOSPHATE 19-9-0-20 — SAMPLED IN GREAT FALLS — SAMPLE # 0574

ANALYSIS	CLAIMED	FOUND
NITROGEN	19%	18.3%
PHOSPHATE	9%	12.1%
SULFUR	20%	19.1%

AMMONIUM SULFATE W/PHOSPHATE 19-9-0-20 — SAMPLED IN FORT BENTON — SAMPLE # 0563

ANALYSIS	CLAIMED	FOUND
NITROGEN	19%	18.5%
PHOSPHATE	9%	10.7%
SULFUR	20%	20.0%

AMMONIUM SULFATE W\PHOSPHATE 19-9-0-20 — SAMPLED IN BLACK EAGLE — SAMPLE # 1053

ANALYSIS	CLAIMED	FOUND
NITROGEN	19%	19.0%
PHOSPHATE	9%	9.9%
SULFUR	20%	20.2%

SHERRITT FERTILIZER INC - VANCOUVER CONTINUED

AMMONIUM THIOSULPHATE 12-0-0-26 — SAMPLED IN CONRAD — SAMPLE # 1055

ANALYSIS	CLAIMED	FOUND
NITROGEN	12%	11.3% *
SULFUR	26%	26.3%

UREA 46-0-0 — SAMPLED IN LEWISTOWN — SAMPLE # 0797

ANALYSIS	CLAIMED	FOUND
NITROGEN	46%	46.0%

UREA 46-0-0 — SAMPLED IN DENTON — SAMPLE # 0045

ANALYSIS	CLAIMED	FOUND
NITROGEN	46%	45.9%

MANUFACTURER

WESTERN CO-OPERATIVE FERTILIZE
P.O.BOX 2500
CALGARY,ALBT T2P 2N1
CANADA

MONOAMMONIUM PHOSPHATE 11-51-0 — SAMPLED IN DUTTON — SAMPLE # 0568

ANALYSIS	CLAIMED	FOUND
NITROGEN	11%	10.6%
PHOSPHATE	51%	50.9%

MANUFACTURER

WEYERHAUSER CO
CAMPUS CENTER BLDG. 6J
TACOMA,WA 98477

UREA 46-0-0 — SAMPLED IN HARLOWTON — SAMPLE # 0071

ANALYSIS	CLAIMED	FOUND
NITROGEN	46%	46.1%

UREA 46-0-0 — SAMPLED IN LEWISTOWN — SAMPLE # 0080

ANALYSIS	CLAIMED	FOUND
NITROGEN	46%	45.9%

MANUFACTURER

WILLIAMS FEED INC
235 N. IDAHO
DILLON,MT 59725

WILLIAMS FEED INC - DILLON CONTINUED

BLEND 25-10-0-7 — SAMPLED IN DILLON — SAMPLE # 1530

ANALYSIS	CLAIMED	FOUND
NITROGEN	25%	25.6%
PHOSPHATE	10%	9.7%
SULFUR	7%	7.1%

MANUFACTURER

WYCON CHEMICAL CO
P.O.BOX 1287
CHEYENNE,WY 82003

AMMONIUM NITRATE 34-0-0 — SAMPLED IN BRIDGER — SAMPLE # 0793

ANALYSIS	CLAIMED	FOUND
NITROGEN	34%	34.2%

AMMONIUM NITRATE 34-0-0 — SAMPLED IN DILLON — SAMPLE # 0943

ANALYSIS	CLAIMED	FOUND
NITROGEN	34%	34.3%

MANUFACTURER

Y V FERTILIZER CORP
P.O.BOX 1592
BILLINGS,MT 59103

AQUA AMMONIA 20-0-0 — SAMPLED IN BILLINGS — SAMPLE # 0035

ANALYSIS	CLAIMED	FOUND
NITROGEN	20%	17.3% *

1986 FERTILIZER ANALYSIS BREAKDOWN

Nutrient	# Analyzed	# Deficient	% Deficient
Nitrogen	196	16	8.2
P205	150	23	15.3
K20	47	3	6.4
Sulfur	51	3	5.8
Zinc	3	1	-
Total	447	46	10.3

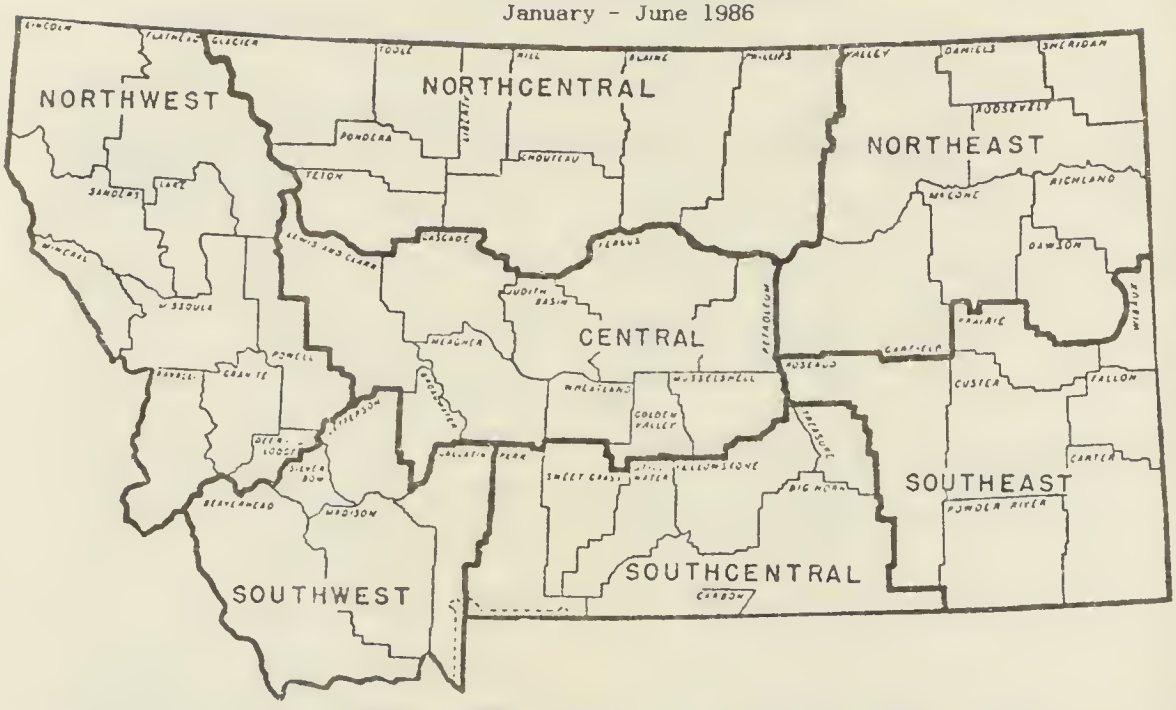
FERTILIZER SAMPLING

Year	# Samples Taken	# Samples Deficient	Deficient
1977	448	32	7.1
1978	533	30	5.6
1979	365	21	5.7
1980	506	27	5.3
1981	428	24	5.1
1982	607	41	6.7
1983	558	50	8.9
1984	379	58	15.3
1985	368	55	14.9
1986	228	43	18.9

FERTILIZER TONNAGE

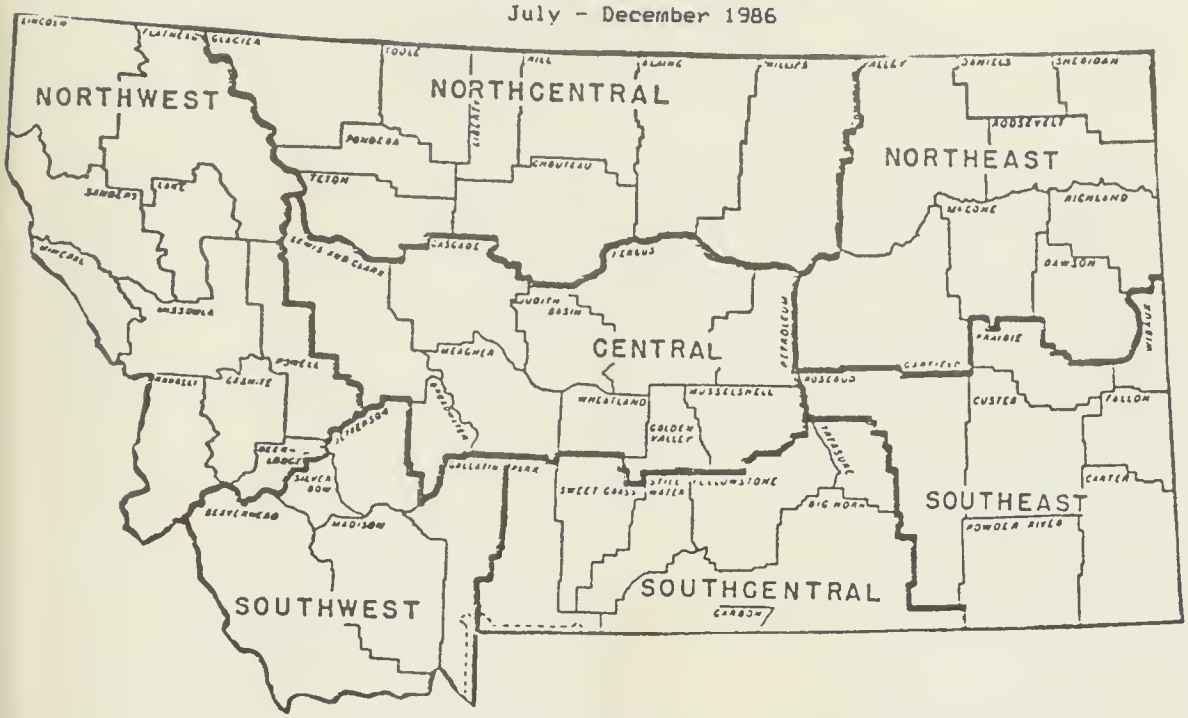
YEAR	TONNAGE
1972	226,939
1973	268,061
1974	219,197
1975	170,324
1976	283,925
1977	259,211
1978	301,487
1979	324,838
1980	295,958
1981	363,295
1982	384,387
1983	447,407
1984	406,567
1985	325,887
1986	337,626

FERTILIZER AND FERTILIZER MATERIAL SOLD IN MONTANA
By Crop Reporting Districts
January - June 1986



STATEWIDE TOTAL		SOUTH WEST	NORTH WEST	SOUTH CENTRAL	CENTRAL	NORTH CENTRAL	SOUTH EAST	NORTH EAST	TOTALS
Anhydrous Ammonia		270	974	1756	4377	8954	378	800	17509
Ammonium Nitrate		7362	3905	11951	10783	11288	2319	1887	49495
Ammonium Sulfate		1020	1212	549	343	1310	561	184	5179
Urea		1258	536	3563	6773	8336	786	3804	25056
Ammonium Thiosulfate		156	31	0	97	516	0	33	833
Nitrogen Sols. 32%		843	559	611	516	1962	0	0	4491
Nitrogen Sols. 28%		0	0	257	16	3835	122	2107	6337
Phosphorus Materials		1473	355	745	2508	4675	114	425	10295
Potash Materials		1173	1691	1522	1918	4268	1114	1174	12860
Sulfur		14	65	52	255	493	16	107	1002
DAP 18-46-0		1602	550	6464	3884	9411	2773	9226	33910
MAP 11-52-0		2093	1236	1621	9618	17586	636	3008	35798
APS 16-20-0		2878	3880	1469	1263	840	133	96	10559
30-10-0		51	0	0	5	121	0	0	177
10-34-0		39	51	32	370	3499	0	1035	5020
2-1-0 ratios (27-14-0)		116	313	49	165	944	7	106	1700
1-1-0 ratios (23-23-0)		13	0	0	7	427	0	25	472
1-1-1 ratios (16-16-16)		14	446	46	4	39	62	552	1163
Micronutrients		23	21	57	75	16	37	1	230
CUSTOM BLENDS	N	0	44	63	0	0	0	11	118
	P	0	0	185	0	54	0	310	549
	K	0	0	0	0	0	0	0	0
Gypsum/Lime		0	150	63	0	0	15	0	228
Compost		0	1540	0	0	0	0	0	1540
		20398	17559	31055	42977	78574	9073	24891	224527

FERTILIZER AND FERTILIZER MATERIAL SOLD IN MONTANA
By Crop Reporting Districts
July - December 1986



STATEWIDE TOTAL	SOUTH WEST	NORTH WEST	SOUTH CENTRAL	CENTRAL	NORTH CENTRAL	SOUTH EAST	NORTH EAST	TOTALS
Anhydrous Ammonia	262	59	1222	6153	9128	319	318	17461
Ammonium Nitrate	3116	235	4152	3140	2102	409	1080	14234
Ammonium Sulfate	359	194	134	172	178	24	140	1201
Urea	118	114	1732	5094	5974	178	1459	14669
Ammonium Thiosulfate	4	4	0	75	294	9	11	397
Nitrogen Sols. 32%	174	127	143	292	1894	0	0	2630
Nitrogen Sols. 28%	13	0	0	331	7132	484	998	8958
Phosphorus Materials	192	56	156	128	730	65	42	1369
Potash Materials	474	229	703	716	1344	590	505	4561
Sulfur	0	25	164	367	113	18	35	722
DAP 18-46-0	510	259	3489	2224	2468	1332	3871	14153
MAP 11-52-0	928	230	1908	7063	9867	511	1687	22194
APS 16-20-0	1623	141	663	552	724	113	0	3816
30-10-0	82	0	0	5	332	0	3	422
10-34-0	59	0	0	298	2456	0	107	2920
2-1-0 ratios (27-14-0)	3	5	8	56	101	4	8	185
1-1-0 ratios (23-23-0)	1	0	0	0	93	62	0	156
1-1-1 ratios (16-16-16)	10	29	5	3	119	14	56	236
Micronutrients	41	2	27	21	3	18	10	122
CUSTOM BLENDS N	4	0	8	119	38	164	488	821
P	0	0	5	0	218	62	1209	1494
K	0	0	0	0	0	0	1	1
Gypsum/Lime	0	36	6	74	0	2	13	131
Compost	0	247	0	0	0	0	0	247
TOTALS	7973	1992	14525	26883	45308	4378	12041	113099

MONTANA DEPARTMENT OF AGRICULTURE
FERTILIZER AND FERTILIZER MATERIAL SOLD IN MONTANA
FOR THE YEAR
1986

MATERIALS		JANUARY - JUNE	JULY - DECEMBER	TOTAL
Anhydrous Ammonia		17509	17461	34970
Ammonium Nitrate		49495	14234	63729
Ammonium Sulfate		5179	1201	6380
Urea		25056	14669	39725
Ammonium Thiosulfate		833	397	1230
Nitrogen Sols. 32%		4491	2630	7121
Nitrogen Sols. 28%		6337	8958	15295
Phosphorus Materials		10295	1369	11664
Potash Materials		12860	4561	17421
Sulfur		1002	722	1724
AMMONIATED PHOSPHATES & MIXTURES				
DAP 18-46-0		33910	14153	48063
MAP 11-52-0		35798	22194	57992
APS 16-20-0		10559	3816	14375
30-10-0		177	422	599
10-34-0		5026	2920	7946
2-1-0 ratios (27-14-0)		1700	185	1885
1-1-0 ratios (23-23-0)		472	156	628
1-1-1 ratios (16-16-16)		1163	236	1399
Micronutrients		230	122	352
CUSTOM BLENDS	N	118	821	939
	P	549	1494	2043
	K	0	1	1
Gypsum/Lime		228	131	359
Compost		1540	247	1787
TOTALS		224527	113100	337627
Total Nitrogen		60180	35902	
Total P2O5		43457	20952	
Total K2O		7716	2737	

MONTANA DEPARTMENT OF AGRICULTURE
PLANT INDUSTRY DIVISION
AGRICULTURE/LIVESTOCK BLDG.
CAPITOL STATION
HELENA, MT 59620

6240

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